

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Atty Dkt. 900-409

MASHIMA et al.

C# M#

Serial No. 09/997,244

Group Art Unit: 1763

Examiner: L. ALEJANDRO

MULERO

Filed: November 30, 2001

Date: February 3, 2003

Title: APPARATUS AND METHOD FOR PRODUCTION OF SOLAR CELLS

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**RESPONSE/AMENDMENT/LETTER**

This is a response/amendment/letter in the above-identified application and includes an attachment which is hereby incorporated by reference and the signature below serves as the signature to the attachment in the absence of any other signature thereon.

☐ **Correspondence Address Indication Form Attached.****Fees are attached as calculated below:**

Total effective claims after amendment	5	minus highest number		
previously paid for	20	(at least 20) =	0 x \$ 18.00	\$ 0.00
Independent claims after amendment	2	minus highest number		
previously paid for	3	(at least 3) =	0 x \$ 84.00	\$ 0.00

If proper multiple dependent claims now added for first time, add \$280.00 (ignore improper) \$ 0.00

Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s) (\$110.00/1 month; \$410.00/2 months; \$930.00/3 months) \$ 0.00

Terminal disclaimer enclosed, add \$ 110.00 \$ 0.00

☐ First/second submission after Final Rejection pursuant to 37 CFR 1.129(a) (\$750.00) \$ 0.00  
☐ Please enter the previously unentered , filed  
☐ Submission attached

**Subtotal \$ 0.00**

If "small entity," then enter half (1/2) of subtotal and subtract -\$ 0.00  
☐ Applicant claims "small entity" status. ☐ Statement filed herewith

Rule 56 Information Disclosure Statement Filing Fee (\$180.00) \$ 0.00

Assignment Recording Fee (\$40.00) \$ 0.00

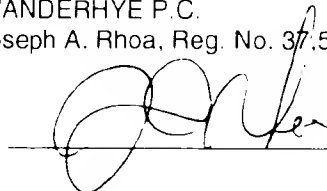
Other: 0.00

**TOTAL FEE ENCLOSED \$ 0.00**

The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Account No. 14-1140. A duplicate copy of this sheet is attached.

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By Atty: Joseph A. Rhoa, Reg. No. 37,515

Signature: 



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For: APPARATUS AND METHOD FOR PRODUCTION OF SOLAR CELLS

\* \* \* \* \*

February 3, 2003

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**AMENDMENT**

Responsive to the Official Action dated November 4, 2002, please amend the above-identified application as follows:

**IN THE CLAIMS**

Please substitute the following amended claim(s) for corresponding claim(s) previously presented. A copy of the amended claim(s) showing current revisions is attached.

1. (Amended) A solar cell production method comprising the steps of:  
forming a first electrode layer on a substrate,  
sequentially forming a p-layer, an i-layer and an n-layer comprising amorphous silicon on the first electrode layer, and